



**AUSTRALIA'S LARGEST  
WEIGHBRIDGE MANUFACTURER!**

**ultrahawke**

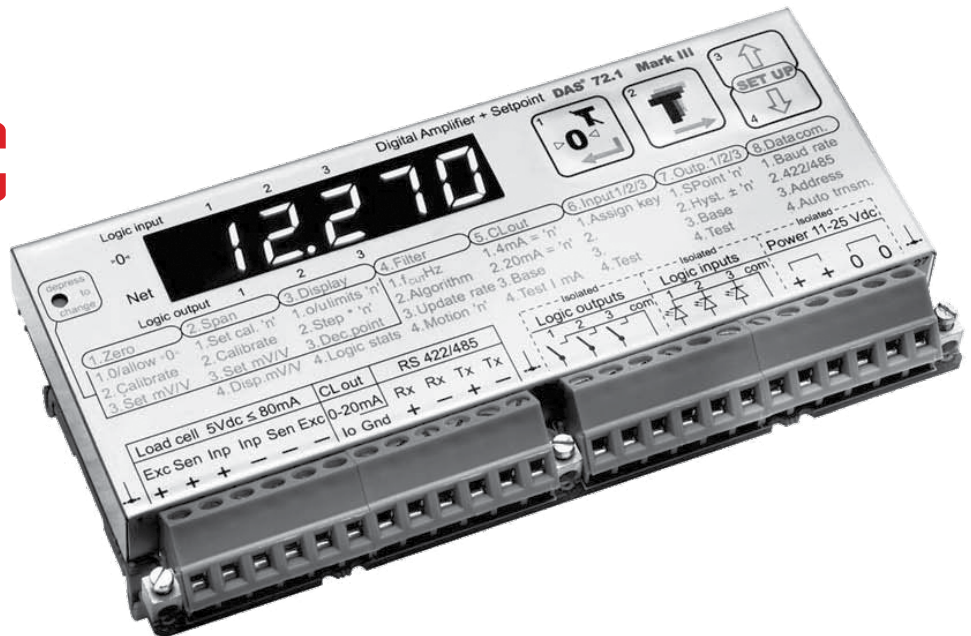
UltraHawke Pty Ltd  
ACN 004 659 358



## **DAS 72.1** Process Indicator for Static or Dynamic Weighing

by

**FLINTEC**



### **DESCRIPTION**

The Type DAS 72.1 Mark III Process Indicator is a fast, accurate, rail mounting instrument for static and dynamic weighing applications.

The DAS 72.1 with five-digit LED weight display and service display, serial interface, analogue output and three digital inputs and outputs. The digital inputs and outputs are programmable.

Communication via serial interface RS-422/RS-485, making it easy to connect to PC, PLC and other devices.

Standard weighing functions are available.

Display of:

Gross Weight / Net Weight / Peak Value / Peak to Peak Value / Average Value / Hold Value / Valley Value.

Software calibration and set up.

Basic Version:

Printed circuit board with metal housing for DIN-rail mounting; with screw terminals.

### **KEY FEATURES**

- Internal Resolution  $\pm 260\,000$  Counts
- Maximum Conversion Rate 2,400 per Second
- Non-Volatile Tare On/Off
- Display Control by Logic Input
- Digital Filter, Programmable
- Calibration with Weight or in mV/V
- Linearity Better than 0.002%
- 6-Wire Loadcell Connection
- 3 x Logic Inputs (Opto-Isolated)
- 3 x Logic Outputs (Opto-Isolated)
- Network Function by RS-422/RS-485
- Analogue Output 0/4 to 20mA
- Power Supply 11 to 25VDC

### **OPTIONS**

- Communicator RS485/Profibus (External)

### **ACCESSORIES**

- Setup Software Running Under MS Windows

# SPECIFICATIONS

Linearity	<0.002%
Excitation	5VDC, Loadcells 80-2,000Ω, 6-Wire Technique
Analogue Input Range	±3.2mV/V (Bipolar, for Weighing Applications and Force Measurements)
Minimum Input per VSI	0.05µV/d
Resolution	Internal ±260,000 Counts, ±18-Bit-A/D Convertor, Display Maximum ±99,999 Counts
Conversion Rate	Internal 2,400 Measurements per Second; External Up to 600 Measurements per Second
Digital Filter	FIR Filter 2.5 to 19.7Hz or IIR Filter 0.25 to 18Hz; Programmable in 8 Steps Each
Calibration	Software Calibration and Set Up
Computer Interface	RS-485 or RS-422, Full Duplex, 9,600 to 115,200 Baud; Bus Capability Up to 32 Devices (RS-485)
Weighing Functions	Zero, Gross, Tare, Net, Filter etc.
Analogue Output	0/4 to 20mA, 14-Bit Resolution, Base for Output is Value: Gross / Net / Peak / Peak to Peak / Average / Hold / Valley
Display	10.2mm LED, Green, 5-Digits, 3 x Status LEDs for Net/Motion/Sign, 6 x Status LEDs for Logic Inputs and Outputs
Logic Inputs	3 x Opto-Isolated Inputs, 10 to 30VDC, Maximum 3.5mA
Logic Outputs	3 x Opto-Isolated Outputs, <45VDC/AC, 1A
Temperature Effects	Zero: 5ppm/°C Typical; Maximum <10ppm/°C Span: 4ppm/°C Typical; Maximum <8ppm/°C
Temperature Range	-10°C to +50°C (Operating); -20°C to +60°C (Storage)
Enclosure	Tinned Steel Enclosure, Protection IP-20; for 35mm DIN-Rail Mounting, Special IP-65 Housing on Request
Dimensions	135mm x 66mm x 19mm, Weight 180g
Power Supply	11 to 25VDC ±10%, <3W, Galvanically Isolated
EMC	CE 73/23/EEC; 93/98/EEC and 89/336/EEC

# SYSTEM CONFIGURATION

